



373

PATENT

Our Docket: P-IS 4988

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Ideker and Hood

Serial No.: 09/993,312

Filed: November 13, 2001

For: MULTIPARAMETER

INTEGRATION METHODS FOR

THE ANALYSIS OF

BIOLOGICAL NETWORKS

Commissioner for Patents Washington, D.C.

Examiner: Unknown

Group Art Unit: 3736

Thereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on May 24, 2002.

Pamela M. Guy

Registration No. 51,228

May 24, 2002 Date of Signature

## INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. § 1.97, enclosed are references relating to the above-identified application. convenience of the Examiner, these references are listed on the attached Form PTO-1449, and a copy of each is enclosed herewith.

It is respectfully requested that these references be considered in the examination of this application and that their consideration be made of written record in the application file.

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement. However, if any fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 03-0370.

Respectfully submitted,

May 24, 2002 Date:

Registration No. 51,2 (858) 535-9001 Telephone:

Facsimile: (858) 535-8949

Campbell & Flores LLP 4370 La Jolla Village Drive 7<sup>th</sup> Floor San Diego, California 92122 USPTO CUSTOMER NO. 23601

MAY 3 0 2002

Form PTO 4449 US Department of

Commerce Patent

ATTY DOCKET NO: P-IS 4988

SERIAL NO. 09/993,312

and Trademark Office

APPLICANT: Ideker and Hood

INFORMATION DISCLOSURE

FILING DATE: November 13, 2001

STATEMENT BY APPLICANT

STATEMENT	BY APPLICANT	November 13, 2001			ه در ارد	
		U.S. PA	TENT DOCUMENTS	, <i>EC</i> ,	HNOLOGY	3 20 <sub>02</sub>
EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	TEREILING DATE

## FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)
	WO 00/45322	08/03/00	PCT	G06F	19/00	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

V	
	Cheng and Church, "Biclustering of Expression Data," <a href="Proc. Int. Conf. Intell. Syst. Mol. Biol.">Proc. Int. Conf. Intell. Syst. Mol. Biol.</a> 8:93-103 (2000)
	Eisenberg et al., "Protein function in the post-genomic era," <u>Nature</u> 405:823-826 (2000)
	Fellenberg et al., "Integrative Analysis of Protein Interaction Data," Proc. Int. Conf. Intell. Syst. Mol. Biol. 8:152-161 (2000)
	Hughes et al., "Functional discovery via a Compendium of Expression Profiles," Cell 102:109-126 (2000)
	Ideker, T., "Statement of Research Interests" (Fall 2000)
	Kuffner et al., "Pathway analysis in metabolic data bases via differential metabolic display (DMD)," <u>Bioinformatics</u> 16:825-836 (2000)
	Lockhart & Winzeler, "Genomics, gene expression and DNA arrays," Nature 405:827-836 (2000)

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

F	<u> </u>		Page 2 of 2
Form PTG 1449 US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-IS 4988	SERIAL NO. 09/993,312	
	APPLICANT: Ideker a	and Hood	
INFORMATION DIS		FILING DATE: November 13, 2001	GROUP: 3 2002
			-11 (137C)

Marcotte et al., "A combined algorithm for genome-wide prediction of protein function," Nature 402:83-86 (1999)
Proux et al., "A pragmatic information extraction strategy for gathering data on genetic interactions," <a href="Proc. Int. Conf. Intell. Syst. Mol. Biol.8:279-285">Proc. Int. Conf. Intell. Syst. Mol. Biol.8:279-285</a> (2000)
Schwikowski et al., "A network of protein - protein interactions in yeast," Nature Biotechnol. 18:1257-1261 (2000)
Tohsato et al., "A multiple alignment algoithm for metabolic pathway analysis using enzyme hierarchy," <a href="Proc.">Proc. Int. Conf. Intell. Syst. Mol. Biol.</a> 8:376-383 (2000)
van Someren et al., "Linear modeling of genetic networks from experimental data," <u>Proc. Int. Conf. Intell. Syst. Mol. Biol.</u> 8:355-366 (2000)
Yona and Levitt, "Towards a complete map of the protein space based on a unified sequence and structure analysis of all known proteins," <a href="Proc.">Proc.</a> <a href="Int. Conf.">Intell.</a> Syst. Mol. Biol. 8:395-406 (2000)
Zien et al., "Analysis of Gene Expression Data with pathway scores,"  Proc. Int. Conf. Intell. Syst. Mol. Biol. 8:407-417 (2000)
Timecourse Data: Metabolic Chart, <a href="http://cmgm.stanford.edu/pbrown/explore/metachart.html">http://cmgm.stanford.edu/pbrown/explore/metachart.html</a> : pp. 1-2 (2000)
Product Description: "GeneSpring Lite," Silicone Genetics Website, <a href="http://www.signetics.com/Products/GeneSpring/Overlays.htm">http://www.signetics.com/Products/GeneSpring/Overlays.htm</a> updated as of Feb. 29, 2000

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.